

|    | Ref # | Hits | Search Text   |
|----|-------|------|---|
| 1  | S1    | 1758 | laser with speckle  |
| 2  | S2    | 630  | S1 same (reduc\$4 or minim\$7)  |
| 3  | S4    | 0    | S2 same (f adj len\$1)  |
| 4  | S3    | 152  | S2 same len\$1  |
| 5  | S5    | 2    | S3 same (gauge with measur\$5)  |
| 6  | S6    | 53   | S3 and convolution  |
| 7  | S7    | 52   | S6 and fourier  |
| 8  | S8    | 1    | S6 and (inverse adj fourier)  |
| 9  | S9    | 1    | S3 and (scatter near (distribution or spread or curve))   |
| 10 | S10   | 1766 | laser with speckle  |
| 11 | S11   | 635  | S10 same (reduc\$4 or minim\$7)   |
| 12 | S12   | 155  | S11 same len\$1   |
| 13 | S13   | 1    | S12 same (impulse adj response)   |
| 14 | S14   | 60   | S12 same (response)   |
| 15 | S15   | 1768 | laser with speckle  |
| 16 | S16   | 6    | S15 same telecentric  |
| 17 | S17   | 470  | S15 same (noise or distort\$3 or artifact\$1)   |
| 18 | S19   | 84   | S18 same len\$1   |
| 19 | S20   | 2    | S18 same (f adj number)   |
| 20 | S18   | 265  | S17 same (reduc\$4 or minim\$7)   |
| 21 | S21   | 422  | S15 same (coherence)  |
| 22 | S22   | 242  | S21 same (reduc\$4 or minim\$7)   |
| 23 | S23   | 1    | S21 same (f adj number)   |
| 24 | S24   | 146  | S21 same len\$1   |
| 25 | S25   | 7602 | gauge adj measur\$5   |
| 26 | S26   | 4    | S25 same S15  |
| 27 | S27   | 774  | 356/3.01,3.1,3.14-3.16,3.05.ccls.   |
| 28 | S28   | 403  | S27 and len\$1  |
| 29 | S29   | 120  | S28 and laser   |
| 30 | S30   | 5    | S29 and speckle   |
| 31 | S31   | 1768 | laser with speckle  |
| 32 | S32   | 470  | S31 same (noise or distort\$3 or artifact\$1)   |
| 33 | S33   | 3    | S32 same (cone adj angle)   |
| 34 | S34   | 84   | S32 and triangulation   |
| 35 | S35   | 12   | ("3650608"   "4011403"   "4155630"   "4619508"  <br>"4742237"   "4819033"   "4851978"   "4970546"  <br>"5048926"   "5161045"   "5253110"   "5307207").PN. |
| 36 | S36   | 2    | ((("5589942") or ("5621529"))).PN.  |

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|----|-------|-------|--|
| 37 | S37   | 6     | S27 and speckle  |
| 38 | S38   | 1773  | laser with speckle   |
| 39 | S39   | 79    | S38 and (surface with finish)  |
| 40 | S41   | 11878 | laser with noise   |
| 41 | S42   | 1113  | S41 same len\$1  |
| 42 | S43   | 0     | S42 same (cone adj angle)  |
| 43 | S44   | 0     | S43 same (cone adj angle)  |
| 44 | S45   | 375   | laser same (cone adj angle)  |
| 45 | S46   | 3     | S45 same speckle   |
| 46 | S47   | 122   | S42 same (focal or aperature)  |
| 47 | S48   | 347   | S42 same (focal or aperture)   |
| 48 | S49   | 70    | S48 same speckle   |
| 49 | S50   | 579   | slab adj laser   |
| 50 | S51   | 39    | S50 same (focal or aperture)   |
| 51 | S52   | 0     | S51 same speckle   |
| 52 | S53   | 0     | S51 same noise   |
| 53 | S54   | 775   | 356/3.01,3.1,3.14-3.16,3.05.ccls.  |
| 54 | S55   | 0     | S54 and (slab adj laser)   |
| 55 | S56   | 6     | S54 and speckle  |
| 56 | S57   | 1     | S50 same coherence   |
| 57 | S58   | 9332  | laser and coherence  |
| 58 | S59   | 964   | S58 and speckle  |
| 59 | S60   | 692   | S59 and ((cone adj angle) or focal or aperture)  |
| 60 | S61   | 60    | S59 and ((f adj number) or (cone adj angle))   |
| 61 | S62   | 14    | ("4102571"   "4136949"   "4524282"   "4575211"  <br>"4748333"   "4781465"   "4786815"   "4796998"  <br>"4864123"   "4921345"   "4988886"   "5024529"  <br>"5151608"   "5157487").PN. |
| 62 | S63   | 192   | 356/623.ccls.  |
| 63 | S64   | 3534  | speckle  |
| 64 | S65   | 8     | S63 and speckle  |
| 65 | S66   | 7     | S63 and ((f adj number) or (cone adj angle))   |
| 66 | S67   | 1     | ("4880991").PN.  |
| 67 | S69   | 1277  | (reduc\$4 or eliminat\$4 or decreas\$4 or minimiz\$4) adj3<br>speckle  |
| 68 | S70   | 1622  | (reduc\$4 or eliminat\$4 or decreas\$4 or minimiz\$4) near3<br>speckle   |

|     | Ref # | Hits  | Search Text   |
|-----|-------|-------|---|
| 69  | S71   | 11271 | (select\$4 or choos\$3 or pick) near2 (f-number or (f adj number) or aperture)                                |
| 70  | S72   | 3000  | match\$4 near2 (f-number or (f adj number) or len\$1)   |
| 71  | S74   | 0     | S70 same S72  |
| 72  | S73   | 5     | S70 same S71  |
| 73  | S76   | 17    | S70 and S72   |
| 74  | S75   | 30    | S70 and S71   |
| 75  | S77   | 310   | (size or radius or diameter) near2 speckle  |
| 76  | S78   | 7160  | diffract\$4 adj1 limit\$4   |
| 77  | S79   | 21    | S77 and S78   |
| 78  | S80   | 127   | match\$4 near2 (size near2 pixel)   |
| 79  | S82   | 3     | S70 and S80   |
| 80  | S84   | 0     | US20030011850-\$.DID.   |
| 81  | S85   | 2     | US-20030011850-\$.DID.  |
| 82  | S83   | 7     | ((("6057525") or ("5621532") or ("6788901") or ("6285514") or ("6118908") or ("6087652") or ("4602843"))).PN. |
| 83  | S86   | 579   | slab adj laser  |
| 84  | S87   | 1625  | (reduc\$4 or eliminat\$4 or decreas\$4 or minimiz\$4) near3 speckle   |
| 85  | S88   | 0     | S86 and S87   |
| 86  | S89   | 214   | S86 and (f-number or (f adj number) or len\$1)  |
| 87  | S90   | 8     | S86 and (f-number or (f adj number))  |
| 88  | S92   | 38316 | "372"/\$.ccls.  |
| 89  | S93   | 1064  | S92 and slab  |
| 90  | S94   | 7     | S93 and speckle   |
| 91  | S95   | 89882 | "356"/\$.ccls.  |
| 92  | S96   | 1064  | S93 and slab  |
| 93  | S97   | 7     | S96 and speckle   |
| 94  | S98   | 73    | speckle adj contrast  |
| 95  | S99   | 44    | S98 and (f-number or (f adj number) or len\$1)  |
| 96  | S100  | 14155 | laser with (scatter or noise)   |
| 97  | S101  | 125   | S100 and (f-number or (f adj number))   |
| 98  | S102  | 5     | S100 same (f-number or (f adj number))  |
| 99  | S103  | 73    | speckle adj contrast  |
| 100 | S104  | 3     | S103 and (f-number or (f adj number))   |
| 101 | S105  | 2267  | laser same speckle  |
| 102 | S107  | 33    | S106 same lens  |

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|-----|-------|------|--|
| 103 | S108  | 6    | S106 and (f-number or (f adj number))  |
| 104 | S106  | 90   | S105 same focus  |
| 105 | S109  | 352  | S105 same detector   |
| 106 | S110  | 14   | S109 and (f-number or (f adj number))  |
| 107 | S111  | 344  | S105 same averag\$3  |
| 108 | S112  | 414  | S105 same (averag\$3 or smooth\$3)   |
| 109 | S113  | 21   | S112 and (f-number or (f adj number))  |
| 110 | S114  | 2    | ("4402601"   "4423931").PN.  |
| 111 | S115  | 38   | speckle adj removal  |
| 112 | S116  | 1556 | laser same speckle   |
| 113 | S117  | 845  | S116 not diffus\$3   |
| 114 | S118  | 22   | S117 and (f-number or (f adj number))  |
| 115 | S120  | 346  | S119 same averag\$3  |
| 116 | S122  | 116  | S120 same (detector or pixel)  |
| 117 | S121  | 1    | S120 same (detector with pixel)  |
| 118 | S123  | 16   | ("3671726"   "3723003"   "4248532"   "4346988"  <br>"4373804"   "4391513"   "4575237"   "4631397"  <br>"4673817"   "4708483"   "4733969"   "4943157"  <br>"4963017"   "5056922"   "5082362"   "5164579").PN. |
| 119 | S124  | 1    | S119 same (max with pixel)   |
| 120 | S125  | 2060 | speckle with (reduc\$3 or minimiz\$5 or noise)   |
| 121 | S126  | 89   | S122 same detector   |
| 122 | S127  | 264  | S125 same detector   |
| 123 | S128  | 184  | S127 and (f-number or (f adj number) or len\$1)  |
| 124 | S129  | 12   | S127 and (f-number or (f adj number))  |
| 125 | S131  | 5    | S119 same (f-number or (f adj number))   |
| 126 | S130  | 2271 | laser same speckle   |
| 127 | S132  | 1773 | laser with speckle   |
| 128 | S133  | 98   | S132 and (finish)  |
| 129 | S134  | 2    | S133 and (gauge with measur\$5)  |
| 130 | S135  | 1311 | S132 and surface   |
| 131 | S136  | 299  | S132 and (rough)   |
| 132 | S137  | 147  | S136 and coherence   |